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**INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH
TECHNOLOGY****A LITERARY SURVEY ON MANAGEMENT INFORMATION SYSTEM AND ITS
PERFORMANCE IN INDUSTRIES****¹Animesh Vyas, ²Kunal Phate, ³Aziz Buriwala**^{1,3} Mechanical Engineering, Acropolis Technical Campus, Indore (M.P.), India² Mechanical Engineering, Chameli Devi Group of Institution, Indore (M.P.), India

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ABSTRACT

A Management Information System (MIS) is proposed to unite unique things of data into intelligible information. The MIS is more than crude information or data reasonable for the motivations behind basic decision making. A MIS moreover gives strategies to translating the data the MIS gives. The new innovation of MIS is accessible with high review and influences the basic leadership process and decision making in light of the fact that the equipment and the product are the parts of the new innovation. In this Information age, information has turned out to be a standout amongst the most essential assets to associations. The viable and productive administration of vast amounts of information is a typical issue found in numerous enterprises. All operational data and communication framework are intended to help administration in controlling division like showcasing, generation, stores and purchase which are between connected for the better working of the association. Subsequent to gathering the criticism is the normal and standard deviation is ascertained for each reason and classified. This paper talks about the examination and utilization of administration framework in substantial scale enterprises. To accomplish this information was gathered through a pre-ried poll.

Complex factor of survival constrains current business to move their essential concentration from simple 'benefit' to 'increasing upper hand' in their separate markets. Successful and proficient vital choice making by guaranteeing that the correct sort of data contacts the perfect individual in the correct organization at the opportune time decides the market position of any business. MIS is a quickly developing IT based framework that consistently make data from crude information gathered from different sources and orders individualized reports of different sorts which helps distinctive levels of administration in educated key basic leadership. MIS, situated with quickly developing innovation encompassing AI goes for greatest mechanization of business forms. This paper examines the job of MIS in the achievement and survival of present-day business and industry. The job of MIS in business and industry is analysed in detail. It starts with the examination concerning the data necessities of current business. Talks on the general kinds/divisions of MIS and how it takes into account different data necessities of a run of the mill business pursues. Utilization of MIS in existing associations and its critical applications for different levels of administration and other key partners are additionally talked about. With the current worldwide financial unrest, the requirement for expanded effectiveness and to improve most extreme profitability make the investigation on MIS applicable than at any other time.

Keywords: Management information System, Industries, Automatization, IT frameworks**1. INTRODUCTION**

A Management Information system (MIS) is a comprehensively utilized and connected term for a three-asset framework required for compelling association administration. The assets are people, data and innovation, from inside and outside an association, with best need given to individuals. The framework is an accumulation of data administration strategies including PC computerization (programming and equipment) or generally supporting and enhancing the quality and effectiveness of business tasks and human choice making.

Note that a management Information System ought not just show the status of a business' conditions, yet additionally demonstrate why the conditions are enhancing or falling apart. For instance, a MIS should report



execution with respect to cost and productive or unfruitful tasks, while distinguishing singular responsibility – both current and past. This should be possible just if such reports depend on always refreshed data open to those in power that are in charge of evaluating and guaranteeing it is utilized for convenient basic leadership.

Management Information System, frequently eluded to just as MIS, is an arranged arrangement of gathering, putting away, and spreading information as data expected to do the elements of administration.

Models of the expansive extension and shifted settings of MISs are:

- Choice supportive networks
- Undertaking asset arranging
- Inventory network administration
- Client relationship administration (CRM)
- Undertaking administration
- Official data frameworks

The term MIS and "data framework" are frequently confounded. Data frameworks, without anyone else's input, are separated from the basic leadership process and choice making. Obviously, the information inside them may encourage the basic decision-making process. MIS is characterized as "An incorporated client machine framework for giving data to help activities, administration, basic leadership and decision-making works in an association. The framework uses mechanized and manual strategies; models for examination, arranging, control and basic decision making; and a database."

The equipment required for an administration data framework can shift broadly mainly relying upon the size and information necessities of an association. A private company, for instance, may just need a solitary machine to store data, for example, worker information, tasks, and solicitations. An extensive business may require a few frameworks that enable representatives to share information safely over various areas. Information put away in a MIS is frequently supported up in numerous areas for repetition.

As you see, MIS is created from three terms: Management, Information and System.

- **Management:**
Administration covers the arranging, control, and organization of the activities of a worry.
- **Data/ Information:**
Data implies the prepared information that helps the administration in arranging, controlling and activities.
- **Framework/System:**
A framework is comprised of data sources, preparing, yield and criticism or control.

The principle objectives of a MIS are to help officials of an association to settle on choices that advances the association's technique and to execute the authoritative structure and elements of the endeavour to manage the association betterly for an upper hand.

These are a few objectives of a MIS:

- ❖ Catching Data.
- ❖ Handling Data.
- ❖ Data Storage.
- ❖ Data Retrieval.
- ❖ Data Propagation.

The most essential attributes of a MIS are those that give chiefs certainty that their activities will have the coveted outcomes, and among this quality we can specify:

- ❖ It ought to be founded on a long haul arranging.
- ❖ It ought to give an all-encompassing perspective of the elements and the structure of the association.
- ❖ It ought to be arranged in a best down manner.
- ❖ It ought to be founded on need of key, operational and strategic data of directors of an enterprise.
- ❖ It ought to have the capacity to make conjectures and gauges, and create propelled data.
- ❖ It ought to make linkage between all sub-frameworks inside the association.
- ❖ It ought to have a focal database.

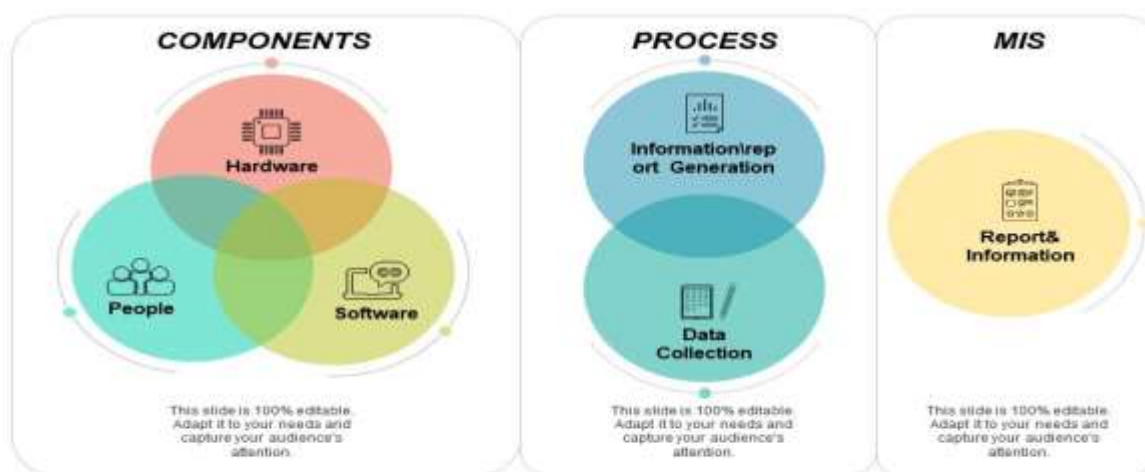
MIS a standout amongst the most vital devices in any association, which means to give solid, finish, available, and justifiable data in an auspicious way to the clients of the framework. Management Information frameworks

helps with robotizing assignments. Computerization can spare time, cash, assets, diminish worker's staff, and upgrade hierarchical work process. Moreover, aid expanded association profitability, viability, increment consumer loyalty, and productivity of the work. MIS by and large empowers to gather, preparing and capacity of the data; which generally reason to make that data accessible on interest in the required arrangement.

Examples of MIS software include Microsoft Dynamics, Fleetmatics WORK, Clarity Professional MIS, and Tharstern Limited. MIS programs designed specifically for the graphics and print industry include Avanti Slingshot, EFI Pace, and DDS Accura. Most MIS software programs are available as desktop applications, though many solutions now include web-based interfaces and mobile apps as well.

A Management Information System or MIS, is a modernized database that orders, outlines and breaks down a data that is valuable to an organization's administrators. While commonly utilized in reference to money related information, the MIS can likewise oversee data in every single other part of the organization's tasks. This incorporates such dissimilar territories as HR, deals, stock control, online life showcasing and whatever else the administration group has to think about the organization. The mark utilization of MIS is to screen the organization's execution progressively; singular administrators can likewise utilize the data to pick up understanding into their very own area of expertise's exercises. The MIS might be customized to naturally create reports at month to month, quarterly or other indicated interims, and may likewise be gotten to deliver extraordinary reports when required.

Management Information System Showing Components & Process



An industry is a group of organizations that are connected dependent on their essential business exercises. In present day economies, there are many industry orders, which are regularly gathered into bigger groups called areas or sectors. Singular organizations are for the most part grouped into an industry dependent on their biggest wellsprings of income. For instance, while a vehicle maker may have a financing division that contributes 10% to the association's general incomes, the organization would be ordered in the automaker business by most characterization frameworks. Industry, a gathering of beneficial endeavours or associations that deliver or supply merchandise, administrations, or wellsprings of pay. In financial aspects, ventures are usually delegated

essential, auxiliary, and tertiary; optional businesses are additionally named substantial and light. The fabricating or in fact gainful undertakings in a specific field, nation, locale, or economy saw on the whole, or one of these exclusively. A solitary industry is frequently named after its central item; for instance, the vehicle

business. For measurable purposes, businesses are ordered by and large concurring a uniform grouping code, for example, Standard Industrial Classification (SIC).

The distinctive kinds of ventures are:

Primary Industries

Concentrate crude materials (which are common items) from the land or ocean e.g. oil, press metal, timber, angle. Mining, quarrying, angling, ranger service, and cultivating are all case of essential enterprises.

Secondary Industries (in some cases alluded to as Manufacturing industry)

- ❖ Include the make of crude materials, into another item by difficult work or machines.
- ❖ Auxiliary ventures frequently utilize sequential construction systems e.g. a vehicle industrial facility.

Tertiary Industries (at some point alluded to as Services industry)

- ❖ Neither deliver a crude material nor make an item.
- ❖ Rather they give administrations to other individuals and businesses.
- ❖ Tertiary businesses can incorporate specialists, dental practitioners, reject accumulation and banks.

Quaternary Industries

- ❖ Include the utilization of cutting-edge enterprises.
- ❖ Individuals who work for these organizations are regularly exceedingly qualified inside their field of work.
- ❖ Innovative work organizations are the most widely recognized sorts of organizations in this segment.

MIS for Sales and Marketing

Administration data frameworks i.e. MIS for the deals and showcasing elements of an organization, otherwise called database promoting, accumulate and break down data about clients and planned clients. Frequently, the data is examined or sourced from client receipts, steadfastness card exchanges or Visa receipts. The data can be collected to feature purchasing patterns and examples, recognize rehash and best obtaining clients, and target item promoting endeavours to address significant portions of the client base. Picking up these sorts of bits of knowledge can enable the organization to create and tweak its promoting technique, bringing about brought down expenses and expanded deals division viability.

MIS for Human Resource Management

Human asset data frameworks handle worker information, for example, essential staff data, participation and hours, execution audit appraisals, and finance following. Since the information can incorporate private data – like names, locations and Social Security numbers – ensuring protection and keeping up security are vital. The HRM database can get to data for any individual representative, decreasing the expense of keeping paper records. Whenever totalled, the framework can give drifting data to administration input in such territories as enhancing enrolling endeavours, directing advantages and overseeing calendars and work process.

MIS for Accounting and Finances

Administration data frameworks in bookkeeping are intended to store and total budgetary information. The subsequent investigations are utilized both inside, by chiefs and CFOs, for instance, and remotely by experts, controllers, assess offices and others. Reports created by the bookkeeping MIS incorporate benefit and-misfortune articulations, debt claims following and other monetary proclamations. Since these reports empower administration and others to dissect the organization's money related wellbeing, it is basic that the information contribution to the framework be finished, precise and secure.

Administration Information Systems and IT

Maybe more than some other division, the data innovation segment of an organization has a double job with MIS. Initially, the framework can store and examine information about the IT division, similarly as it can for whatever other office, which can prompt reserve funds and more noteworthy productivity in its organization's utilization. For instance, the information may demonstrate that IT professionals invest an unreasonable measure of energy investigating minor issues for different divisions. One arrangement may be to prepare key staff to be database directors for their specialties, empowering them to do the low-level investigating, along these lines sparing IT staff time for more difficult issues.

What's more, the IT division in many organizations will probably assume a huge job in the obtaining, establishment and overhauling of any MIS the organization embraces. IT authorities might be called upon to assess the specialized particulars of any MIS contract, and have contribution to the programming and

capacities of the framework. In any case, line directors and managers in the different divisions should contemplate what sort of data they have to carry out their occupations, how to ensure that the information inputs are precise and how to secure delicate information. Regardless of how richly the product and supporting equipment of the framework are structured, any MIS an organization embraces is just comparable to the information it stores.

2. LITERARY SURVEY

Management Information System and industries

Table 1. MIS usage in Large scale Industries

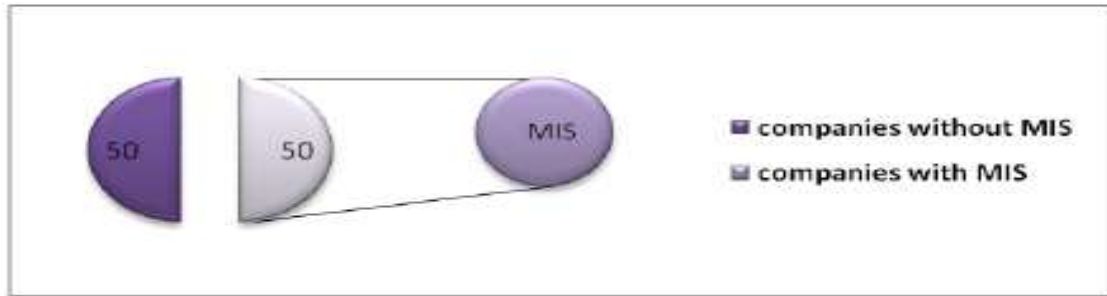
MIS USAGE	Large scale industries		
	Yes (%)	No (%)	Total(%)
	30	70	100

Table 2. Reasons for Non usage of MIS in Large scale Industries

Reason	Yes	NO	Total
Computerization of Organization	-	30	30
Computer knowledge of employees	1.47		0.51
Financial status of Non usage of MIS	3.76		0.82
Computer training not available	2.00		0.88
Idea about MIS Knowledge	3.96		0.82
Decision Making process	3.24		0.75
MIS is so expensive to use	3.16		0.71

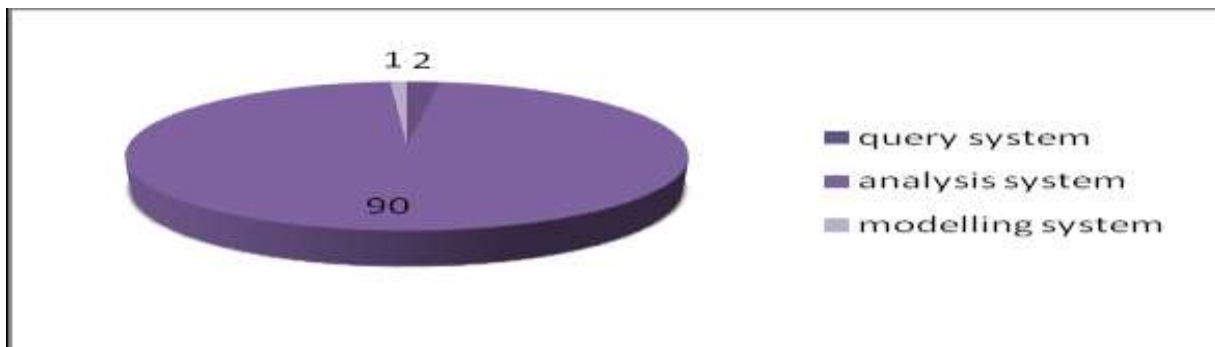
Is MIS utilized for basic choice making in the organizations?

Types of companies	Companies using MIS	Companies not using MIS
Numbers of companies	2	2
No of Respondents	9	4

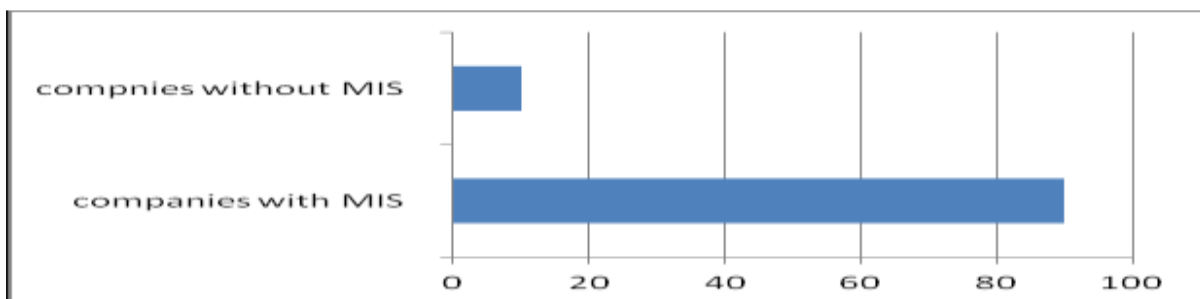


Types of decision support systems are used:

Analysis system is the most system used in manufacturing companies



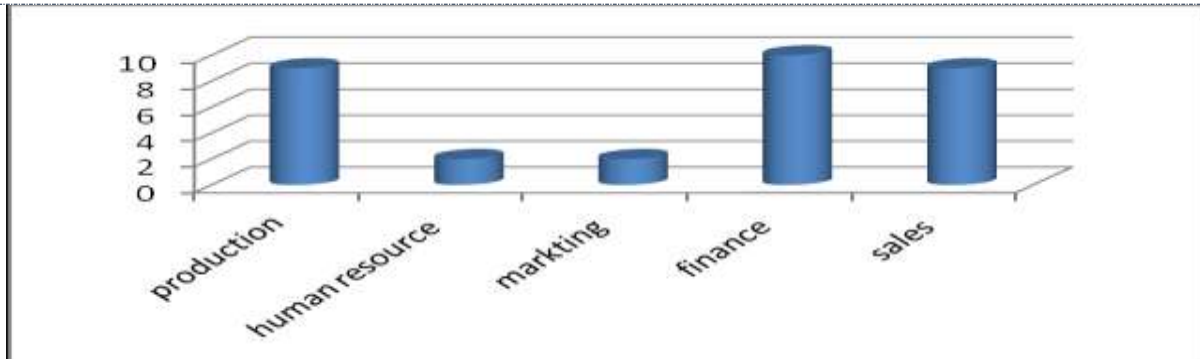
The familiarity with MIS significance and its applications in the organizations:



The Managers at assembling units where MIS is utilized understood the significance of the MIS and discovered MIS as one of the critical device for right and auspicious decision.

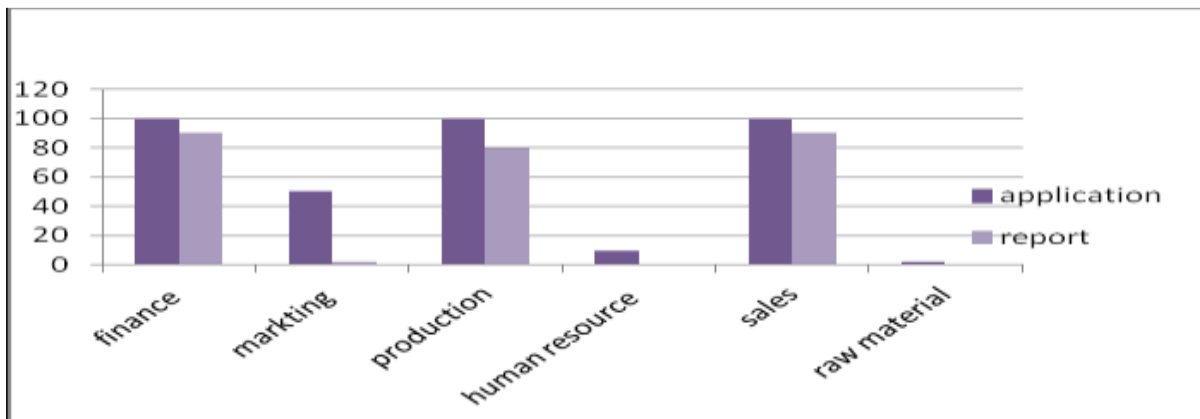
Departments which are more dependent on MIS for decision making:

Production, sales and finance departments are more dependent on MIS for decision making



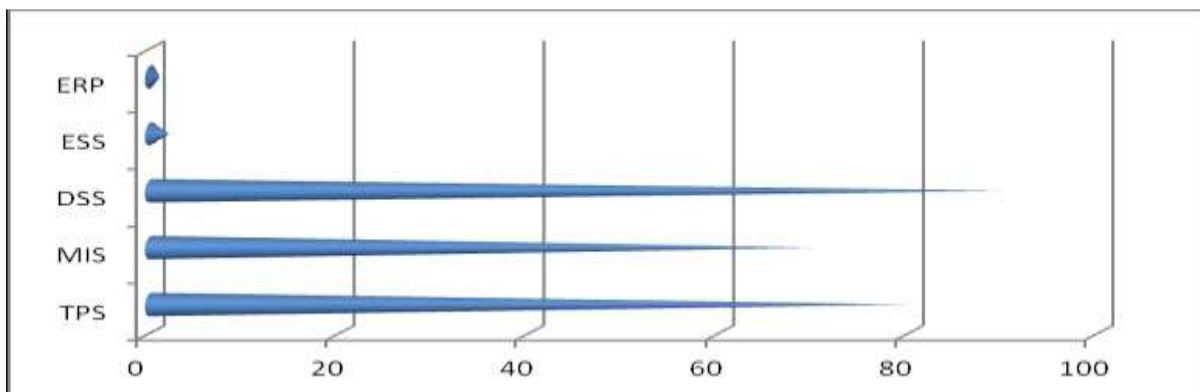
Types and Ratio of MIS applications and reports utilized:

Finance, production and sales applications and reports are used maximum in manufacturing companies.



Types of information systems used:

Five types of information systems are used by manufacturing companies studied for research, in that the two systems ESS and ERP used at very low level.



Application of Management Information System

Administration data frameworks or management information system utilize data innovation to gather and impart all the data an organization or establishment uses to work. Every office or capacity of an association creates its own operational and money related information and accordingly has its very own data framework to monitor everything. There are the same number of kinds of administration data frameworks as there are offices or capacities in an association, however there are a couple of particular frameworks that pretty much every association or organization requirements for the entire substance to work easily.

Administration Reporting System

An administration announcing framework is a database intended to cover the funds and tasks of all levels of administration in an association. An organization's administration detailing framework is normally utilized by centre administrators to produce ordinary reports contrasting current and past money related execution with decide monetary development and to track how the centre supervisors themselves are performing. Upper administration utilizes the information produced by the detailing framework to think about the organization's present budgetary position and its productivity of tasks against its foreordained objectives for the organization.

Process Control

A procedure control framework screens a business' physical or modern procedures, for example, metal manufacture, oil preparing or car get together. The control framework is always gathering information and is modified to produce customary reports on framework execution. A director looks to the procedure control reports to tell how frequently, throughout a set timeframe, a specific occasion happens amid the generation procedure, or how regularly over that timeframe the organization veered off from a dreary creation process. This data is vital to following the general proficiency of creation and the wellbeing of hardware and workers.

Deals and Marketing

A deal and showcasing framework underpin administration in executing and following the viability of the association's deals and advertising capacities. These include:

- ❖ creating items
- ❖ anticipating deals
- ❖ gathering and following the promoting outlets and timetables
- ❖ overseeing circulation channels
- ❖ estimating, rebates and advancements
- ❖ actualizing viable publicizing and deals advancements

Reports additionally tell supervisors which things are offering and which aren't and how well every individual item in the organization's stock is offering at each retail store.

Stock Control

The stock control framework tracks everything doing with stock, including deals, decay, robbery, and stock close by, which enables administration to decide when singular things are getting low and need restocking, either in the organization's distribution centre or in any of its individual retail stores. It tracks development of stock into the distribution centre, from stockroom to store, store deals and returns.

Bookkeeping and Finance

A bookkeeping and back framework tracks an association's benefits and ventures and gathers all information for money related revealing required by law for such capacities as finance, government, state, and neighbourhood expenses and annuity reserves. This framework gives every one of the reports important to occasional money related reviews and yearly reports if the association or establishment produces them. The bookkeeping and back framework additionally encourages the day by day posting of routine exchanges, for example, deals salary, returns and bank stores and exchanges. All month to month monetary explanations, for example, the asset report and the benefit and misfortune articulation, are produced from this framework. These announcements are essential for centre and upper chiefs to track current budgetary accomplishment against past execution and against foreordained objectives for future development.

HR

Office Automation/Enterprise Collaboration

An office mechanization, or undertaking coordinated effort, data administration framework empowers directors to control the stream of data all through the association. Any electronic specialized gadget or medium utilized in the association by supervisors to speak with different chiefs, with their representatives, or for workers to speak with one another falls under the umbrella of the workplace computerization data framework. These gadgets and media can incorporate land-line telephones, mobile phones, Internet, Intranet, sight and sound, voice message and email, document sharing and video conferencing.

Benefits of MIS in Organization

- ✦ Builds administration fitness through Information what's more, Knowledge databases to confront the opposition.
- ✦ Helps to manufacture a learning association.
- ✦ Improves association's adequacy
- ✦ Ensures productive and viable utilization of assets.
- ✦ Better connection among offices and association.

Difficulties of MIS in Organization

- ✦ Strategic Business Challenge
- ✦ Globalization Challenge
- ✦ Information innovation Infrastructure Challenge
- ✦ Information System Investment Challenge
- ✦ Ethics and Security: The obligation and control challenge
- ✦ Workforce scaling down.

- ✦ Information over-burden.
- ✦ Employee doubt.
- ✦ Difficult to manufactured.
- ✦ Security breaks.

3. CONCLUSION

This examination exhibited the literary survey on management information or administration data frameworks. Likewise clear up the job of administration data frameworks in industries. Where this investigation clears up the advantages of utilization administration data frameworks in differing sectors of industries. MIS makes it less demanding to gather, store and process the information and recover data effectively when required, which expands the proficiency of these organizations. This examination for the most part energizes the utilization of administration data frameworks i.e. MIS. The examination endeavoured to clear up that the MIS assumes an exceptionally significant job on basic leadership in assembling organizations. The MIS has affected transit choices made in assembling organizations by giving supervisors data at the perfect time for the opportune individual. It was likewise understood that the MIS is extremely useful in key arranging, administration control, operational control and exchange handling. Miniaturized scale, Small and Medium organizations have turned out to be mindful of significance of the MIS whether they actualize it or not. The MIS is the ideal apparatus for delivering data and that prompts a powerful and effective basic leadership.

In perspective of this, it is proposed for Micro and Small assembling businesses to create and actualize the MIS to build the viability and proficiency of supervisor's basic leadership and aids issues and issues understanding when in problem. choice is taken at administration level for them, Need Based MIS for Marketing, buy and deals and that will get sorted out and give logical information to evaluate the development on day by day assignments for basic leadership. For those sorts of organizations, individuals ought to be exceptionally prepared in utilizing the innovation apparatuses to enhance people and associations execution.

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